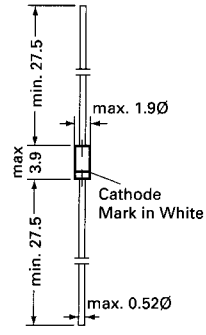
查询10HC供应商

HC Series
SILICON PLANAR ZENER DIODE

Silicon Planar zener Diodes



Glass case JEDEC DO-35

Dimensions in mm

Absolute Maximum Ratings (T_a = 25 °C)

	Symbol	Value	Unit
Zener Current see Table "Characteristics"			
Power Dissipation at Tamb = 25 °C	P_{tot}	500[1)]	mW
Junction Temperature	P_j	175	°C
Storage Temperature Range	T_S	-55 to + 175	°C
[1)] Valid provided that leads are kept at ambient temperature at distance of 8 mm from case.			

Characteristics at T_j = 25 °C

	Symbol	Min.	Typ.	Max.	Unit
Thermal Resistance Junction to Ambient Air	R_{thA}	-	-	0.3[1)]	K/mW
Forward Voltage at I_F = 100 mA	V_F	-	-	1	V
[1)] Valid provided that leads are kept at ambient temperature at a distance of 8 mm from case.					

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Characteristics at Tj = 25 °C

TYPE	Zener Voltage			Dynamic Resistance		Reverse Leakage Current (I_R at V_R)	
DO-35	Min. (V)	Max (V)	I_{ZT} (mv)	Ohm at I_{ZT}	I_{ZT} (mA)	I_R (uA) Max.	V_R (V)
2.2 HC	2.09	2.41	20	120	20	120	0.7
2.2 HCA	2.12	2.30					
2.2 HCB	2.22	2.41					
2.4 HC	2.30	2.64	20	120	20	120	1
2.4 HCA	2.33	2.52					
2.4 HCB	2.43	2.63					
2.7 HC	2.50	2.90	20	100	20	100	1
2.7 HCA	2.54	2.75					
2.7 HCB	2.69	2.91					
3.0 HC	2.80	3.20	20	80	20	50	1
3.0 HCA	2.85	3.07					
3.0 HCB	3.01	3.22					
3.3 HC	3.10	3.50	20	70	20	20	1
3.3 HCA	3.16	3.38					
3.3 HCB	3.32	3.53					
3.6 HC	3.40	3.80	20	60	20	10	1
3.6 HCA	3.47	3.68					
3.6 HCB	3.62	3.83					
3.9 HC	3.70	4.10	20	50	20	5	1
3.9 HCA	3.77	3.98					
3.9 HCB	3.92	4.14					
4.3 HC	4.00	4.50	20	40	20	5	1
4.3 HCA	4.05	4.26					
4.3 HCB	4.20	4.40					
4.3 HCC	4.34	4.53					
4.7 HC	4.40	4.90	20	25	20	5	1
4.7 HCA	4.47	4.65					
4.7 HCB	4.59	4.77					
4.7 HCC	4.71	4.91					
5.1 HC	4.80	5.40	20	20	20	5	1.5
5.1 HCA	4.85	5.03					
5.1 HCB	4.97	5.18					
5.1 HCC	5.12	5.35					
5.6 HC	5.30	6.00	20	13	20	5	2.5
5.6 HCA	5.29	5.52					
5.6 HCB	5.46	5.70					
5.6 HCC	5.64	5.88					
6.2 HC	5.80	6.60	20	10	20	5	3
6.2 HCA	5.81	6.06					
6.2 HCB	5.99	6.24					
6.2 HCC	6.16	6.40					
6.8 HC	6.40	7.20	20	8	20	2	3.5
6.8 HCA	6.32	6.59					
6.8 HCB	6.52	6.79					
6.8 HCC	6.70	6.97					

1) Tested with pulse tp = 40 ms.

2) Valid provided that leads at a distance of 8 mm from case are kept at ambient temperature.

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Characteristics at Tj = 25 °C

TYPE	Zener Voltage			Dynamic Resistance		Reverse Leakage Current (I_R at V_R)	
DO-35	Min. (V)	Max (V)	I_{ZT} (mV)	Ohm at I_{ZT}	I_{ZT} (mA)	I_R (uA) Max.	V_R (V)
7.5 HC	7.00	7.90	20	8	20	0.5	4
7.5 HCA	6.88	7.19					
7.5 HCB	7.11	7.41					
7.5 HCC	7.33	7.64					
8.2 HC	7.70	8.70	20	8	20	0.5	5
8.2 HCA	7.56	7.90					
8.2 HCB	7.82	8.15					
8.2 HCC	8.07	8.41					
9.1 HC	8.50	9.60	20	8	20	0.5	6
9.1 HCA	8.33	8.70					
9.1 HCB	8.61	8.99					
9.1 HCC	8.89	9.29					
10 HC	9.40	10.90	20	8	20	0.2	7
10 HCA	9.19	9.59					
10 HCB	9.48	9.90					
10 HCC	9.82	10.30					
11 HC	10.40	11.60	10	10	10	0.2	8
11 HCA	10.18	10.63					
11 HCB	10.50	10.95					
11 HCC	10.82	11.26					
12 HC	11.40	12.60	10	12	10	0.2	9
12 HCA	11.13	11.63					
12 HCB	11.50	11.92					
12 HCC	11.80	12.30					
13 HC	12.40	14.10	10	14	10	0.2	10
13 HCA	12.18	12.71					
13 HCB	12.59	13.16					
13 HCC	13.03	13.62					
15 HC	13.80	15.60	10	16	10	0.2	11
15 HCA	13.48	14.09					
15 HCB	13.95	14.56					
15 HCC	14.42	15.52					
16 HC	15.30	17.10	10	18	10	0.2	12
16 HCA	14.87	15.50					
16 HCB	15.33	15.96					
16 HCC	15.79	16.50					
18 HC	16.80	19.10	10	23	10	0.2	13
18 HCA	16.34	17.06					
18 HCB	16.90	17.67					
18 HCC	17.51	18.30					
20 HC	18.80	21.60	10	28	10	0.2	15
20 HCA	18.11	18.92					
20 HCB	18.73	19.57					
20 HCC	19.38	20.22					
20 HCD	19.88	20.72					

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Characteristics at Tj = 25 °C

TYPE	Zener Voltage			Dynamic Resistance		Reverse Leakage Current (I_R at V_R)	
DO-35	Min. (V)	Max (V)	I_{ZT} (mv)	Ohm at I_{ZT}	I_{ZT} (mA)	I_R (uA) Max.	V_R (V)
22 HC	20.80	23.30	5	30	5	0.2	17
22 HCA	20.23	21.08					
22 HCB	20.76	21.65					
22 HCC	21.22	22.09					
22 HCD	21.68	22.61					
24 HC	22.80	25.60	5	35	5	0.2	19
24 HCA	22.26	23.12					
24 HCB	22.75	23.73					
24 HCC	23.29	24.27					
24 HCD	23.81	24.81					
27 HC	25.10	28.90	5	45	5	0.2	21
27 HCA	24.26	25.52					
27 HCB	24.97	26.26					
27 HCC	25.63	26.95					
27 HCD	26.29	27.64					
30 HC	28.00	32.00	5	55	5	0.2	23
30 HCA	26.99	28.39					
30 HCB	27.70	29.13					
30 HCC	28.36	29.82					
30 HCD	29.02	30.51					
33 HC	31.00	35.00	5	65	5	0.2	25
33 HCA	29.68	31.22					
33 HCB	30.32	31.88					
33 HCC	30.90	32.50					
33 HCD	31.49	33.11					

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